MIP File Server Re-Architecture and Enhanced Search (MIP 4.3)

Customer and Data Services
June 2014

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Review: Project Goals and Methods

- Extensive project to modernize flood mapping engineering data storage and access

  - More effectively manage the data we have, consolidating different storage locations and processes into a centralized repository

  - Reduce data duplication and the accompanying storage and performance costs

  - Enhance internal – and eventually public – access to that data. Make it easy for FEMA to "show our work" and demonstrate the detailed engineering and technical credibility of our flood studies

  - Create a scalable and sustainable architecture for future needs as the amount of projects and data continues to grow

Review: Project Goals and Methods

- ## Specific enhancements to achieve these objectives
    - The FEMA Engineering Library will now have an online access component, the Flood Risk Study Engineering Library. Initially, only those with MIP logins will be able to download data through it, but after an initial shakedown period we plan to open up data access to the general public
    - Dual benefit: in some cases, will allow direct access to data, including direct download. In others, will help mapping partners – and the public – make more informed and better tailored data requests to the Engineering Library
    - A new MIP File Explorer that will let mapping providers quickly delve into the data and help understand what is out there and how it is structured. Where needed, they will also be able to go in and make changes to in-progress projects as necessary
    - The new Flood Risk Study Engineering Library and MIP File Explorer features will provide alternate means of accessing data currently found in the Case File Access System (CFAS). The Engineering Library component (CFAS-EL) is set for decommissioning in mid-July

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New Data Access Tools: Flood Risk Study Engineering Library and MIP File Explorer

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Flood Risk Study Engineering Library

A completely rebuilt tool to search and retrieve data

- Access to tagged and structured contents of the MIP K: Drive, including data migrated from CFAS-EL (LOMA, LOMR, and Studies)

- Geographic drilldowns to find data associated with particular geographies

- Free text search on all searchable fields, or search by specific metadata and database fields

- Filter down results by Project Type, Type of Data Product, and geography

- View metadata associated with upload

- Download one or more files with the assistance of a automated batching process that ZIPs files for you

- Sets the stage for a public search and retrieve functionality that gives the general public independent access to Engineering Library and MIP data for the first time
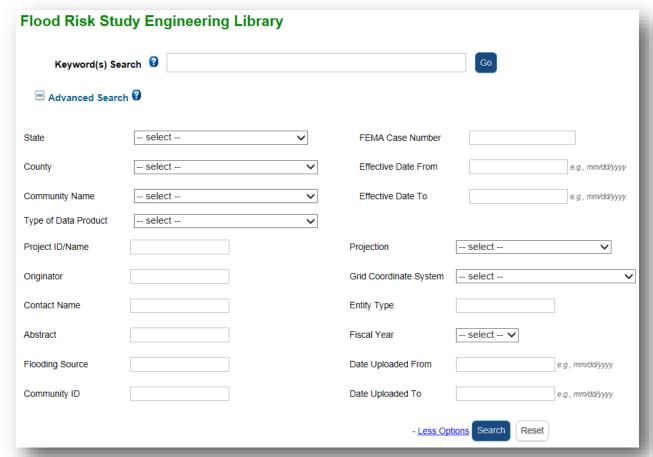
Flood Risk Study Engineering Library

Access to tagged and structured contents of the MIP K: Drive, including data migrated from CFAS-EL (LOMA, LOMR, and Studies)

- Data categorized by 'upload' or 'registration' – the package it was a part of when it made it onto the K: Drive

- Results are returned by 'upload,' with one or more files per upload

- Each upload has associated metadata – sometimes limited (simple geography), sometimes extensive (full FGDC-compliant XML)

- The search functions use this metadata and some key attributes are displayed in the initial results. Full metadata is viewable once you select an upload – it displays in your browser, no download necessary

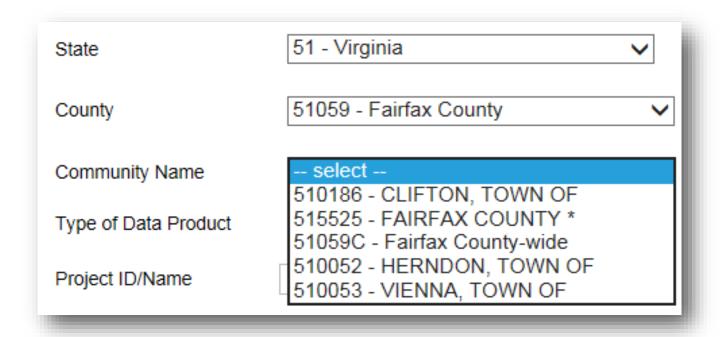- Download a single file, multiple selected files, or the entire upload

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Flood Risk Study Engineering Library

Keyword free text search on all searchable fields, or search by specific metadata and database fields

Flood Risk Study Engineering Library

Geographic drilldowns to find data associated with particular geographies

Flood Risk Study Engineering Library

Flood Risk Study Engineering Library

Filter down results by Project Type, Type of Data Product, and geography

Narrow Your Search

Project Type
- ☐ Amendment (6)
- ☐ Revision (43)
- ☐ Study (13)

State
- ☐ Arizona (1)
- ☐ California (2)
- ☐ Colorado (61)
- ☐ Connecticut (2)
- ☐ Vermont (2)

- See Less States

Case Number

```
05-08-1102566S
06-08-A172A
06-08-A185P
06-08-A189R
06-08-A196P
06-08-A236P
07-05-0010S
07-08-0003P
07-08-0065P
07-08-0073A
07-08-0102P
08-08-0017R
08-08-0020P
08-08-0027P
08-08-0039A
08-08-0044P
08-08-0045R
08-08-0047P
08-08-0048P
08-08-0050P
08-08-0051P
08-08-0052A
08-08-0059R
08-08-0064P
08-08-0078P
09-09-0079S
10-08-0035S
12-08-0047S
14-08-0003S
```
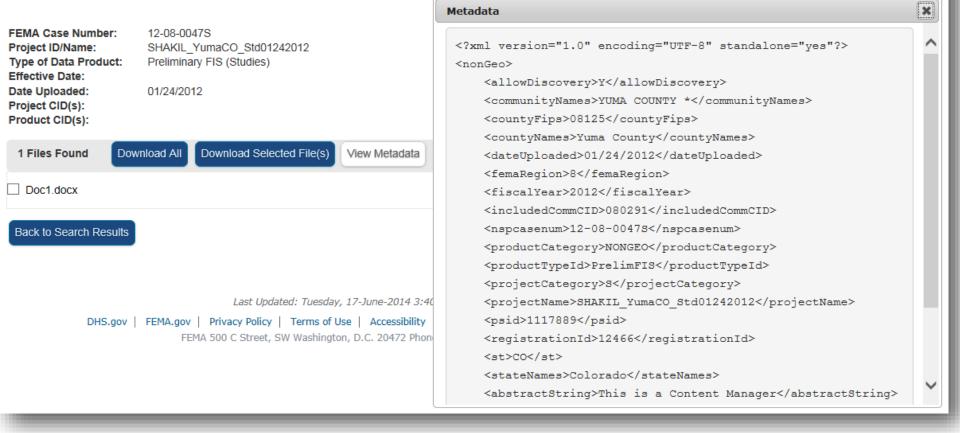
Type of Data Product
- ☐ Annotations (Revisions) (4)
- ☐ Conduct Scoping Meeting (Studies) (1)
- ☐ Correspondence (Revisions) (2)
- ☐ Correspondence/Data (Amendments) (3)
- ☐ Final Determination (Revisions) (5)
- ☐ Final Letter (Amendments) (3)
- ☐ Finalize Project Scope (Studies) (1)
- ☐ Modeling Hydraulics (Revisions) (20)
- ☐ Modeling Hydrology (Revisions) (6)
- ☐ Preliminary FIS (Studies) (1)
- ☐ Prepare for Scoping (Studies) (9)
- ☐ Review Notes (Revisions) (6)
- ☐ TSDN (Studies) (1)

- See Less Types

Refine Search

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Flood Risk Study Engineering Library

View metadata associated with upload

Flood Risk Study Engineering Library

Download one or more files with the assistance of a automated batching process that ZIPs files for you

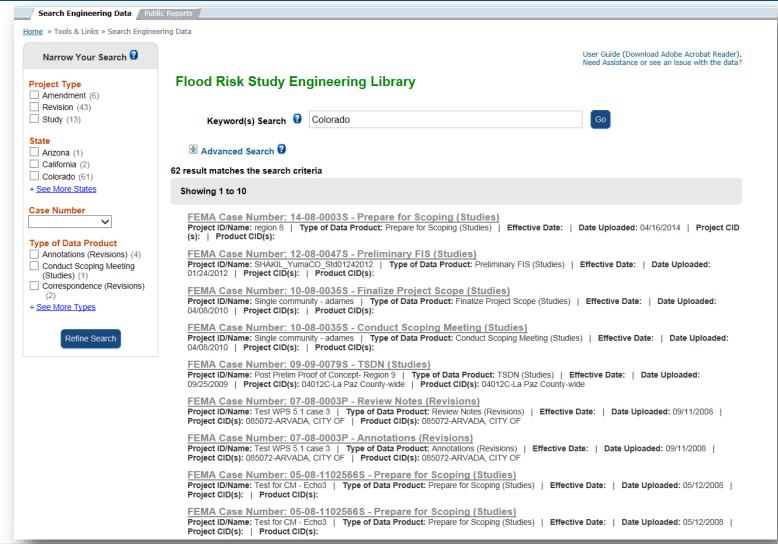# Flood Risk Study Engineering Library

Sets the stage for a public search and retrieve functionality that gives the general public independent access to Engineering Library and MIP data for the first time

- Public access initially limited to viewing data available, with no ability to download

- Download access planned to be added at a later date, e.g. in Fall 2014

- Public access to data will be governed by a set of default Public Access Rules, subject to additional restrictions specified by mapping partners

Flood Risk Study Engineering Library

MIP File Explorer

Citrix File Explorer is being phased out over a six month period and is being replaced with the MIP File Explorer

- MIP File Explorer will provide authenticated MIP users with read access to all files across all Regions (J: Drive and K: Drive)

- Read and Write or Read, Write & Delete access to files for which you have appropriate permissions and based on status within the MIP workflow
  - Includes ability to copy and move files & folders

- Right now, working limits are 2GB size limit on drag-and-drop uploads, 2GB on upload window uploads, and 3GB for downloads

- Cannot open files directly in MIP File Explorer, but can download, and it is more direct and user friendly than Citrix

- Access to J: Drive through Citrix will revert to read-only at the time of MIP Re-Architecture deployment

MIP File Explorer

MIP File Explorer will provide authenticated MIP users with read access to all files across all Regions (J: & K: Drives)

MIP File Explorer

Read and Write or Read, Write & Delete access to files for which you have appropriate permissions and based on status within the MIP workflow

- Includes ability to copy and move files & folders

MIP File Explorer

Right now, working limits are 2GB size limit on drag-and-drop uploads, 2GB limit on upload window uploads, and 3GB for downloads

- Note that it can take some time for all the files in a large ZIP file to unzip within a folder. ZIP files will be unzipped automatically upon upload
- Refresh the folder by selecting it again to see the status of the unzipping
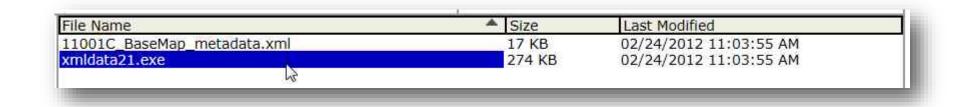
File Name	Size	Last Modified
51107C_DRAFT_metadata.txt	42 KB	06/18/2014 12:11:36 PM
51107C_DRAFT_metadata.xml	42 KB	06/18/2014 12:11:36 PM
982543_RPTUpload167MBT02.zip.zip	163 MB	06/18/2014 12:11:34 PM
DB_Export_04082014.mdb	75 MB	06/18/2014 12:11:48 PM
DVTTemp.mdb	1 MB	06/18/2014 12:12:09 PM
L_Comm_Info.dbf	3 KB	06/18/2014 12:11:49 PM
L_Comm_Revis.dbf	802 bytes	06/18/2014 12:11:49 PM
L_Meetings.dbf	623 bytes	06/18/2014 12:11:49 PM
L_MT2_LOMR.dbf	4 KB	06/18/2014 12:11:49 PM
L_Mtg_POC.dbf	1 KB	06/18/2014 12:11:49 PM
L_Pan_Revis.dbf	20 KB	06/18/2014 12:11:49 PM
L_Source_Cit.dbf	15 KB	06/18/2014 12:11:49 PM
Study_Info.dbf	1 KB	06/18/2014 12:12:09 PM
S_Base_Index.dbf	416 bytes	06/18/2014 12:11:49 PM
S_Base_Index.prj	309 bytes	06/18/2014 12:11:49 PM
S_Base_Index.shp	330 KB	06/18/2014 12:11:50 PM
S_Base_Index.shx	108 bytes	06/18/2014 12:11:50 PM

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MIP File Explorer

Cannot open files directly in MIP File Explorer, but can download, and it is more direct and user friendly than Citrix

Select individual files for direct download…

File Name		Size	Last Modified
11001C_BaseMap_metadata.xml		17 KB	02/24/2012 11:03:55 AM
xmldata21.exe		274 KB	02/24/2012 11:03:55 AM

Do you want to run or save **xmldata21.exe** (274 KB) from **miptest.msc.fema.gov**?

This type of file could harm your computer.

Run   Save ▼   Cancel

or…

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MIP File Explorer

Automated bundle downloads ZIP up multiple files for you

MIP File Explorer

Access to J: Drive through Citrix will revert to read-only at the time of MIP Re-Architecture deployment

Meta Data Test Submission

A new Meta Data Test Submission tool (similar to DVT Test) will replace the Citrix Metaman test functionality. We will also make the Metaman application available for download for those who want to keep using the XML conversion tool

| Data Upload | Search Engineering Data | Citrix | File Explorer | Reports & Form Letters | DFIRM DB QA | Address Book | **Meta Data Test Submission** |

Home » Tools & Links » Meta Data Test Submission

Project Information

Enter the FEMA Study Case Number and Community ID and click "Continue" to choose a file to be uploaded for test submission.

* **FEMA Study Case Number:**

* **Community ID:**

* **Select a Schema:**

Continue >

Validation Results

Location	Property	Description

Metadata File Contents

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Documentation and Resources

User Guides for the Flood Risk Study Engineering Library and MIP File Explorer are available on the respective pages

MIP File Explorer User Guide

Introduction

The MIP File Explorer is a JavaScript-based web application that is accessible to authenticated Mapping Information Platform (MIP) account holders upon login. The File Explorer allows users to navigate through the contents of the MIP working (J:) and archival (K:) Drives.

The J: Drive is the drive onto which geographic data (e.g. data with FGDC-compliant metadata) is initially uploaded through the Manage Data Development activities on the MIP. This data is automatically copied to the K: Drive after the completion of the Manage Quality Assurance activity for each Data Development activity. Data uploaded to the MIP through the Tools & Links Data Upload feature is automatically placed on the K: Drive.

The K: Drive is read-only for all users – no files or folders on it can be modified through the File Explorer. All authenticated MIP users can read and download all files on the entirety of the J: and K: Drives. The ability to modify contents of J: Drive folders is dependent on a user's MIP account permissions, assigned and claimed tasks, and the status of a particular case and its activities within the MIP workflow.

All MIP authenticated users are able to view the entirety of the J: and K: Drives, which is includes the ability to view file attributes and download individual files or sets of files. In addition to this Read Only capability, users may have the ability to modify the contents of J: Drive folders for which they have been assigned appropriate permissions and whose associated activities are still in process within the MIP

Flood Risk Study Engineering Library User Guide

Introduction

The Flood Risk Study Engineering Library (FRiSEL) is an online search portal that can be used to access data associated with FEMA flood risk mapping projects that has been uploaded to FEMA systems. It replaces the pre-existing "Search & Retrieve Data" functionality within the Mapping Information Platform (MIP). The FRiSEL provides users with a fast, intuitive search and navigation interface for locating, examining, and downloading engineering support data.

Upon initial deployment in June 2014, this system is only accessible by credentialed FEMA staff, contractors, and affiliated mapping partners with active logins and access to the MIP. Questions about account permissions should be directed to MIPHelp@riskmapcds.com.

The data accessed through the FRiSEL resides on the MIP K: Drive, which is the designated archival drive for storage of MIP flood risk mapping project data. MIP data found on the working J: Drive or other servers (e.g. the eLOMA and Online LOMC submittal drives or the CFAS-CH drive used by the LOMC Clearinghouse) is not accessible through the FRiSEL.

Documentation and Resources

- ## Project page on MIP User Care
  - Linked from Announcements Section of front page, will have permanent home on MIP User Care: [Coming Soon: MIP Architecture and Search Enhancements](#)
  - Contains links to presentations on business process changes, data migration, and Public Access Rules

- ## Tier 1 Support for the Flood Risk Study Engineering Library
  - FMIX via Chat, Phone (877-FEMA-MAP), or email (FEMAMapSpecialist@riskmapcds.com)
  - Can explain basics of data and assist users in filing Data Requests with Library

- ## MIP Help
  - Questions regarding MIP File Explorer should be directed to MIP Help at MIPHelp@riskmapcds.com
  - If data submitted through the MIP is not showing up in the Flood Risk Study Engineering Library, please contact MIP Help

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Documentation and Resources

Two new documents (1 Flood Risk Study Engineering Library and 1 Data Upload), 2 documents revised (Online LOMC), 6 documents deleted/replaced (old Search & Retrieve, Data Upload, and Content Manager)

- Replace with single Flood Risk Study Engineering Library document (on Training Materials Page):

  Studies Miscellaneous – Data Upload and Search & Retrieve: This work instruction outlines the process to upload Studies materials to the MIP. (PDF, Text Equivalant)

  Search & Retrieve – The purpose of this work instruction is to outline the process to search and retrieve Revisions data stored in the MIP. (PDF, TXT)

  Search & Retrieve From Content Manager – Learn how to search for and retrieve data from Content Manager

- Replace with single Data Upload document (on Training Materials Page):

  Studies Miscellaneous – Data Upload and Search & Retrieve: This work instruction outlines the process to upload Studies materials to the MIP. (PDF, Text Equivalant)

  Data Upload – Used to outline the process conducted by any revisions user to upload data to the MIP. (PDF, TXT)

  Data Load To Content Manager – In this section, you will learn to properly load data to Content Manager.

- Revise with new Online LOMC data upload functionality(on Training Materials Page):

  Online LOMC Revisions Tutorial – this tutorial walks through the screen and activity changes in the MIP when applicants submit revision requests through Online LOMC

  Online LOMC Amendments Tutorial – this tutorial walks through the screen and activity changes in the MIP when applicants submit amendment requests through Online LOMC

- Delete: Content Manager – In this module, you will learn the MIP R3 Requirements, and you will learn about Content Manager Metadata and Data Submissions.

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